termvar, x	term variable
typevar, X, Y, Z	type variable
expr, *lexpr*	place holders for labels and quantitative expressions
nums, *integer*, *double*	integers and doubles
index, k	

quant, Q	::=		quantitative types
	|	$Q \to Q'$	
	|	Bool	
	|	Integer	
	|	Double	
qexpr, q	::=		quantitative expressions
	|	$\lambda x : Q.q$	
	|	$q_1\ q_2$	
	|	$q_1 + q_2$	
	|	$q_1 - q_2$	
	|	$q_1 * q_2$	
	|	q_1 / q_2	
	|	true	
	|	false	
	|	*integer*	
	|	*double*	
label, L	::=		
	|	String	
	|	Integer	
	|	Double	
node, N, M	::=		nodes of the tree
	|	node $X : L, Q$ where b	
nodeBody, b	::=		bodies of nodes
	|	label $= lexpr$, data $= qexpr$	
rootBody, r	::=		bodies of root nodes
	|	label $= lexpr$, struct $= atreeStruct$	
atreeStruct, A, B, C, R, S, T	::=		attack tree structure
	|	X	nodes of the tree
	|	$A \sqcup B$	choice
	|	$A \otimes B$	interacting parallel compos
	|	$A \odot B$	non-interacting parallel co
	|	$A \rhd B$	sequencing
atree	::=		attack tree
	|	root $X : L$ where r	
cmdType	::=		command types
	|	choice	choice
	|	ipara	interacting parallel compos
	|	nipara	non-interacting parallel co
	|	seq	sequencing

command	::=		commands
	|	register C cost-function $qexpr$	